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SEARCH REQUEST FORM Scientific and Tec			
Date 9 465 Berial # 10 664 258	Priority Application Date 1 11 62		
Your Name When	Examiner #		
AU 2800 Phone 2001838	Room SA30		
to what format would you like your results? Paner is the Notal	II. PAPER DIEK HMAR		
If submitting more than one search, please prioritize in ord	der of need. Weed before		
The EIC searcher normally will contact you before beginni with a searcher for an interactive search, please notify one	ng a prior art search. If you would like to sit of the searchers.		
Where have you searched so far on this case? Circle: USPT DWPI EPO Abs Other:	JPO Abs IBM TDB		
What relevant art have you found so far? Please attac Information Disclosure Statements.			
What types of references would you like? Please check Primary Refs Nonpatent Literature Secondary Refs Foreign Patents Teaching Refs			
What is the topic, such as the <u>novelty</u> , motivation, utility, or other specific facets defining the desired <u>focus</u> of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.			
Claims 1-1	/		
Laplan, Le Date?	<u></u>		
DOLOGO, 1, 11	324		
Mems Semi	cond. Device		
Claims 805			
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Ataif Use Only Type of Search	Vendors		
Sparcher Michel Olixan Structure (H) Aparcher Phone: 571-272-2663. Bibliographic	STNDialog		
searchen Localicas: STIC-ELC28000, JEF-4B68 Littigation	CANSAHICAHI		
Date Searcher Picked Up: 9/26/05 Fulltext	Loxis-Nexis		
Date Completed: 9/29/05 Patent Family	WWW/Internet		

Searcher Prep/Rev Time: 647

Online Time:

612

Other_

30sep05 08:16:12 User259284 Session D3346.2 SYSTEM: OS - DIALOG OneSearch File 350:Derwent WPIX 1963-2005/UD, UM &UP=200561 File 347: JAPIO Nov 1976-2005/Apr (Updated 050801) File 344: Chinese Patents Abs Aug 1985-2005/May Description Set Items 390 MEMS/TI AND MEMS/AB S1 87 S2 S3 2W) CHIP OR SOC OR SOI OR SIMOX) 193700 S58:S59 S4 S5 1 OR MICRODETECT? OR MICROSENS?)

```
S1 AND (ELECTRODE? OR MICROELECTRODE?)
               S2 AND (ULSI OR VLSI OR INTEGRATED OR MONOLITH? OR SYSTEM (-
               S2 AND (CONTROL? OR MICROCONTROL?) (7N) (DETECT? OR SENS??? -
S 6
            6
               S3 OR S5
        36508 S4 AND (ELECTRODE? ? OR MICROELECTRODE?)
S7
        39229
               S4 AND (CONTROL? OR MICROCONTROL?)
S8
               S4 AND (DETECT? OR SENS??? OR MICRODETECT? OR MICROSENS?)
S9
        38452
      12942
               8AND9
S10
               S10 AND (TRANSLAT? OR REVOLV? OR ADJUST????? OR MOVE????? -
S11
        4839
            OR MOVAB? OR MOVING? OR ROTAT???????)
               S11 AND DRIV??????
         2087
S12
           71
               7AND12
S13
               S13 AND (MONOLITH? OR INTEGRATED OR VLSI OR ULSI OR SOI OR
S14
            SOC OR MICROSYSTEM?)
S15
            8
               S14 NOT S6
               S1:S13 AND (MIRROR? OR MICROMIRROR? OR MICROREFLECT? OR (M-
S16
             EMS OR MICRO OR MICROMACH? OR MICROMECH? OR MICROELECTR?) (2N) -
             (MIRROR?? OR REFLECT??))
               S16 AND (TRANSLAT? OR REVOLV? OR ADJUST????? OR MOVE????? -
S17
            OR MOVAB? OR MOVING? OR ROTAT???????)
               S17 AND (MONOLITH? OR INTEGRATED OR VLSI OR ULSI OR SOI OR
S18
             SOC OR MICROSYSTEM? OR CHIP? ? OR MICROCHIP? ?)
               S18 AND (CONTROL????? OR MICROCONTROL??????) (6N) ELECTRODE?
S19
           11
            ?
               S18 AND (CONTROL????? OR MICROCONTROL??????) (6N) MICROELECT-
S20
            0
            RODE? ?
               S18 AND (DETECT? OR SENS??? OR MICRODETECT? OR MICROSENS?) -
S21
             (6N) (MICROELECTRODE? ? OR ELECTRODE? ?)
S22
           94
               S18 AND DRIV?????
               S18 AND (CPU OR PROCESSOR?)
S23
           9
S24
          17
               S18 AND (MEMOR???? OR DATA(2N)STOR?????)
           2
               13AND22
S25
          14
               S15 OR S6
S26
S27
          33
               S19:S21 OR S23:S25
          31
               S27 NOT S26
S28
               S28 AND (CIRCUIT?????? OR MICROCIRCUIT?????)
          15
S29
               S28 AND FLOAT???????
S30
           2
          8
               S28 AND ELECTRODES
S31
          0
               S28 AND MICROELECTRODES
S32
          0 S28 AND CONDUCTORS
S33 '
          0
               S28 AND MICROCONDUCTORS
S34
           4
S35
               S29 AND S30:S31
               S28:S31 AND (ULTRA??????? OR ULSI)
S36
           2
           2
               S36 NOT S35
S37
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(Continued on next sheet)

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SYSTEM:OS - DIALOG OneSearch

File 350:Derwent WPIX 1963-2005/UD, UM & UP=200561 File 347:JAPIO Nov 1976-2005/Apr (Updated 050801) File 344:Chinese Patents Abs Aug 1985-2005/May

(Continued)

s38	12936	S1:S29 AND (CONTROL????? OR MICROCONTROL??????) AND (DETEC-
	T?	OR SENS??? OR MICRODETECT? OR MICROSENS?)
s39	5318	S38 AND (TRANSLAT? OR REVOLV? OR ADJUST????? OR MOVE????? -
	OR	MOVAB? OR MOVING? OR ROTAT??????? OR ROTOR?? OR OSCILLAT??-
	??)
S40	239	S38 AND (ELECTROMECH? OR ELECTRO()MECHANIC?????)
S41	47	S38 AND PHYSICALLY
S42	12936	S38:S41
S43	4468	S42 AND DRIV????????
S44	6751	S42 AND (SIGNAL????? OR NOIS??? OR SNR OR S(1W)N OR TRANSM-
	I?	?????)
S45	1107	S42 AND CONTROL????/TI AND SENS????/TI
S46	2465	S42 AND CONTROL?????(9N)SENS????
S47	2455	43AND44
S48	1040	S43 AND S45:S46
S49	1514	S44 AND S45:S46
S50	616	47AND48
S51	614	S50 NOT (S37 OR S35 OR S15 OR S6)
S52	198	DRIV?????(7N) (SENS??? OR MICROSENS????) AND S51
S53	363	DRIV?????(7N) (CONTROL????? OR MICROCONTROL????) AND S51
S54	145	52AND53
S55	0	S52:S53 AND (SINGLE OR ONE OR 1) (1W) (CHIP OR MICROCHIP OR -
	SU	BSTRATE)
S56	0	S52:S53 AND (MONOLITH? OR SYSTEM(2W) (CHIP OR MICROCHIP) OR
	so	C OR SOI OR SOP OR SIMOX OR ULSI OR (SCALE OR HIGHLY) (W) INT-
	EG	RAT????)
S57	. 0	S52:S53 AND VLSI
S58	1	S52:S53 AND CHIP
S59	0 .	S52:S53 AND MICROCHIP
S60	8	S52:S53 AND SUBSTRATE
S61	7	S52:S53 AND IC
S62	1	S52:S53 AND INTEGRATED()CIRCUIT
S63	17	S58:S62

Dialog File 2: INSPEC 1969-2005/Sep W3 c) 2005 Institution of Electrical Engineers

```
Set
        Items
               Description
               R1:R16 OR R21 OR R23 OR R30:R31
S1
        41064
               S1 OR MEMS OR MICROELECTROMECH?
S2
       41218
       47484 S2 OR MICROMECH? OR MICROELECTRO()MECH??????? OR MICRO()ELECTRO()MECH??????
S3
       48459 S3 OR MEM
S4
         409 S4 AND (SENS??? OR DETECT????) (2N) (CIRCUIT??? OR MICROCIRCUIT???)
S5
        5181
               S4 AND (MOVE? OR MOVAB? OR MOVING OR MOTION???)
S6
       80293 (DRIV??? OR OUTPUT????? OR CONTROL?????) (4N) (SIGNAL? OR CIRCUIT??? OR
S7
MICROCIRCUIT??? OR SIGNAL???)
               ELECTROMECHANIC? OR ELECTRO() MECH??????
S8
       18401
       172296
               SIGNALS/AB (January 1999)
S9
               S4 AND (SENS??? OR DETECT????) (2N) (ELECTRODE? ? OR MICROELECTRODE? ?)
S10
          186
        10178 S4 AND (MICROCONTROL? OR CONTROL?????? OR COMMAND?????)
S11
          73 S4 AND (MICROCONTROL? OR CONTROL??????) (3N) (ELECTRODE? OR MICROELECTRODE?)
S12
              $4 AND (REVOLV? OR ROTAT?)
         1550
S13
       127549
               CPU OR PROCESSOR?
S14
               MEMOR??? OR DATA(2N)STOR?????? OR RAM OR DRAM OR ROM OR EPROM OR EEPROM OR
      188427
S15
PROM OR SRAM
           43
               5AND6
S16
               7AND6
          190
S17
          384
               8AND6
S18
          133
               9AND6
S19
               10AND6
S20
          19
         1951
               11AND6
S21
          23
              12AND6
S22
          469
              13AND6
S23
          47
               14AND6
S24
          196
               15AND6
S25
S26
           7
               S13 AND S5
          591
               S13 AND S7:S12
S27
               S13 AND S14
S28
           6
S29
           51
               S13 AND S15
S30
         3102
               S16:S29
              S30 AND (PENTIUM OR RISC OR ICS OR INTEGRATED()CIRCUIT??? OR MICROCIRCUIT?
S31
          546
OR MONOLITH? OR IC OR MICROCHIP? OR SOI OR SOC OR CHIP OR CHIPS OR MCM? ? OR MULTICHIP?)
S32
          192
               S31 AND DRIV??????
S33
          353
               S31 AND CONTROL?????
S34
          117
               32AND33
S35
            3
               14AND34
S36
            3
              15AND34
               S35:S36
S37
            6
S38
       16417
               R1:R2 OR MEMS
               S10 OR S12 OR S16:S34
S39
         3311
S40
         1172
               38AND39
               S40 AND MEMORY
S41
           41
                S40 AND DRIV????(3N)(CIRCUIT???? OR MICROCIRCUIT????)
S42
S43
            1
         2653 (SENS??? OR MICROSENS??? OR MICRODETECT????) (1N) (ELECTRODE?? OR
MICROELECTRODE?? OR CIRCUIT???? OR MICROCIRCUIT????)
S45
           35
                40AND44
               S45 NOT (S37 OR S43)
S46
           34
               41AND46
S47
            1
               42AND46
S48
           1
               S47:S48
S49
            2
               S46 NOT S49
           32
S50
            7
                S50 AND S6
S51
           1
               S50 AND S13
S52
                S51:S52
S53
            8
```

9/29/2005 10:26:00 AM

- [File 2] INSPEC 1969-2005/Sep W3
- [File 6] **NTIS** 1964-2005/Sep W3
- [File 8] Ei Compendex(R) 1970-2005/Sep W3
- [File 34] SciSearch(R) Cited Ref Sci 1990-2005/Sep W3
- [File 434] SciSearch(R) Cited Ref Sci 1974-1989/Dec
- [File 35] Dissertation Abs Online 1861-2005/Aug
- [File 65] Inside Conferences 1993-2005/Sep W4
- [File 94] JICST-EPlus 1985-2005/Jul W5
- [File 99] Wilson Appl. Sci & Tech Abs 1983-2005/Jul
- [File 144] **Pascal** 1973-2005/Sep W3
- [File 344] Chinese Patents Abs Aug 1985-2005/May
- [File 347] **JAPIO** Nov 1976-2005/Apr(Updated 050801)
- [File 350] **Derwent WPIX** 1963-2005/UD,UM &UP=200561
- [File 371] French Patents 1961-2002/BOPI 200209
- [File 23] CSA Technology Research Database 1963-2005/Sep
- [File 103] Energy SciTec 1974-2005/Aug B2
- [File 95] TEME-Technology & Management 1989-2005/Aug W3
- [File 68] Solid State & Superconductivity Abstracts 1966-2005/Sep
- [File 60] ANTE: Abstracts in New Tech & Engineer 1966-2005/Sep
- [File 293] Engineered Materials Abstracts 1966-2005/Sep

Set Items Postings Description
S1 1266645 5977211 S (SEMICONDUCTOR? ? OR SEMI()CONDUCTOR? ? OR PCB? ? OR TAB? ? OR PRINT????()CIRCUIT()BOARD? ? OR
CIRCUIT???()BOARD? ? OR LOAD()BOARD? ? OR LOADBOARD? ? OR LSI? ? OR ASIC? ? OR ELECTRON???()DEVICE? ? OR PRINT???()CIRCUIT??? OR
IC? ? OR INTEGRAT????()CIRCUIT??? OR CHIP? ? OR WAFER???)(3N)(DEVICE? ? OR APPARATUS??? OR INSTRUMENT? ? OR APPLIANCE? ? OR
HARDWARE? ? OR MEANS OR MECHANISM? ?)

82 424943 994844 S MEM? ? OR OPTICAL(3N)SWITCH???? OR MICROMACHINE? ? OR MICRO()MACHINE? ? OR MICROELECTROMECHANICAL()SYSTEM? ? OR MICROELECTRO()MECHANICAL()SYSTEM? ? OR MICROELECTRO()MECHANICAL? ? OR MICROMECHANICAL? ?

S3 1295190 6906173 S (SEMICONDUCTOR? ? OR SEMI()CONDUCTOR? ? OR PCB? ? OR TAB? ? OR PRINT????()CIRCUIT()BOARD? ? OR CIRCUIT???()BOARD? ? OR LOAD()BOARD? ? OR LOADBOARD? ? OR LSI? ? OR ASIC? ? OR ELECTRON???()DEVICE? ? OR PRINT???()CIRCUIT??? OR IC? ? OR INTEGRAT????()CIRCUIT??? OR CHIP? ? OR WAFER???)(3N)(SUBSTRATE? ? OR MATERIAL? ? OR SUBSTRACE? ? OR SURFACE? ? OR STRATUM? ? OR OBJECT? ? OR SUPPORT? ? OR INSULATOR? ? OR CERAMIC? ? OR PLASTIC? ? OR GLASS?? OR WAFER? ? OR FERROUS OR FERRITE?

54 6294110 21014492 S (PLURALIT???? OR MANY OR MULTIPLE? ? OR DIFFERENT?? OR NUMEROUS OR NUMBER? ? OR VARIOUS OR VARY????
OR SEVERAL?? OR DIVERSE OR TWO? ? OR THREE? ? OR FOUR? ? OR MORE OR 2? ? OR 3? ? OR 4? ?)(3N)(UNIT? ? OR ASSEMBL???? OR ENTIT????
OR GROUP? ? OR MODULE? ? OR PIECE? ? OR COMPONENT? ? OR ELEMENT? ? OR ITEM? ? OR PART? ?)

55 513450 1663947 S (MOVING OR MOVABLE OR SHIFT???? OR ADVANC???? OR MOBIL????? OR MOTIVE OR MOTILE OR MOTION???? OR ACTIVE??? OR AGITATE????)(3N)(PIECE? ? OR SEGMENT? ? OR MODULE? ? OR UNIT? ? OR PART? ? OR ELEMENT? ? OR COMPONENT? ? OR ITEM? ?)

S6 214418 793346 S (CONTROL???? OR MASTER??? OR GUID???? OR OPERAT???? OR GOVERN???)(3N)(ELECTRODE? ? OR CONDUCTOR? ? OR ROD? ? OR ANODE? ? OR CATHODE? ? OR PROBE? ?)

57 287857 1094499 S (DRIV???? OR ACTUAT???? OR INDUC???? OR ACTUAT???? OR ENERGIZ???? OR EXCIT???? OR STIMULAT?????)(3N)(CIRCUIT???? OR CHIP? ? OR IC? ? OR INTEGRAT????(2N)CIRCUIT????)

S8 1405680 5968875 S (SENS???? OR DETECT???? OR MONITOR???? OR MEASUR????? OR TEST???? OR GAUG???? OR PROB???? OR ACTUAT???? OR CONTROL????)(3N)(ELECTRODE? ? OR CONDUCTOR? ? OR ROD? ? OR ANODE? ? OR CATHODE? ? OR PROBE? ?)

S9 1132326 4858339 S (SENS???? OR DETECT???? OR MONITOR???? OR MEASUR????? OR TEST???? OR GAUG???? OR PROB???? OR ACTUAT???? OR CONTROL????) (3N) (CIRCUIT???? OR CHIP? ? OR IC? ? OR INTEGRAT????(2N) CIRCUIT????)

510 6758042 28695650 S MEMOR???? OR STOR???? OR BUFFER???? OR MEMOR???? OR CACHE? ? OR DISK????? OR DISC? ? OR RAM? ? OR SDRAM? ? OR FORM? ? OR FORM? ? OR EPROM? ? OR EPROM? ? SPROESS???? OR CPU? ? OR CENTRAL()PROCESS????()UNIT OR ALU? ? OR ARITHMETIC(2W)LOGIC()UNIT? ? OR CU? ? OR CONTROL()UNIT? ? OR MICROPROCESS???? OR MICROCOMPUTER? ? OR COMPUTER? ?

S12 6837 20926 S (DOWNSIZ???? OR DOWN()SIZING OR DECREAS???? OR MINIMIZ???? OR MINIATUR??????? OR SCAL????(3N)DOWN OR REDUC???? OR DIMINISH??? OR PARE??()DOWN OR SHRIMK??? OR ECONOM??????)(3N)(MEM? ? OR OPTICAL(3N)SWITCH???? OR MICROMACHINE? ? OR MICROMACHINE? ?)

S13 498433 1528593 S MIRROR???? S14 9563 22117 S (EFFICIENT??? OR EFFECT????? OR ECONOM????)(3N)MIRROR???

S15 97833 160802 S IC=(B81B-001/00 OR B81B-003/00 OR B81B-005/00 OR B81B-007/02 OR B81B-007/04 OR B81C-001/00 OR B81C-005/00 OR G02B-026/08 OR H01L-021/00 OR H01L-021/302 OR H01L-027/00 OR H01L-027/148 OR G02B-006/35 OR G02B-006/12 OR G02B-006/28)

S16 69929 80124 S MC={U12-B03F1B OR V06-M06G OR V06-U04E OR V06-U14 OR V07-G15 OR U13-D04 OR V07-G15 OR V07-K05 OR W01-A06B5A OR W01-A06B5B OR W01-A06C1 OR W02-C04A9 OR W02-C04B1)

S17 105560 170966 S IC=(B81B-001/00 OR B81B-003/00 OR B81B-005/00 OR B81B-007/02 OR B81B-007/04 OR B81C-001/00 OR B81C-005/00 OR G02B-026/08 OR H01L-021/00 OR H01L-021/302 OR H01L-027/00 OR H01L-027/148 OR G02B-006/35 OR G02B-006/12 OR G02B-006/28)

S S1 AND S2 AND S3 AND S4 AND S5 884 S S18 AND S12 S S18 AND PY<=2002 391 520 18 S S1 AND S2 AND S12 S21 241 3049 522 0 7 S S21(3N)S5 101 S S21 AND S5 S23 S S1(3N)S2 S S24(3N)S12 524 684 3080 S25 34 90° S S12 AND S13 AND S14 S S24(3N)S14 526 527 0 0 S S24 AND S14 S S24 AND S15 S29 48 414 S S29 AND PY<=2002 530 21 358 531 37 295 S S24 AND S16 S32 23 324 S S31 AND PY<=2002 533 59 2084 S S6 AND S7 AND S8 AND S9 AND S10 AND S11 S S33 AND S1 **S34** 6 250 S S34 AND PY<=2002 S S23 NOT S20 S35 190 S36 101 S 523 NOT 520 S 525 NOT (520 OR 523) S 526 NOT (520 OR 523 OR 525) S 530 NOT (520 OR 523 OR 525 OR 526) S 532 NOT (520 OR 523 OR 525 OR 526 OR 530) S 534 NOT (520 OR 523 OR 525 OR 526 OR 530 OR 532) S38 8 90 S39 SAO 15 183 191 541 S S35 NOT (S20 OR S23 OR S25 OR S26 OR S30 OR S32 OR S34)

9/28/2005 12:47:21 PM

[File 342] Derwent Patents Citation Indx 1978-05/200559

? s pn=US 6861720

S1 1 S PN=US 6861720

? map ct/pn=

SearchSave "SC063" stored .
7 Select Statements, 83 Search Term(s)
SearchSave SC063

1 SearchSave(s), 83 Search Term(s)

[File 344] Chinese Patents Abs Aug 1985-2005/May

[File 347] JAPIO Nov 1976-2005/Apr (Updated 050801)

[File 350] Derwent WPIX 1963-2005/UD, UM &UP=200561

? map pn/ct=
Processing MAP

SearchSave "SC065" stored 21 Select Statements, 269 Search Term(s) SearchSave SC065

1 SearchSave(s), 269 Search Term(s)

Set	Items	Postings	Description
S1	1268	2503	S1:S20 FROM 342
S2	5	15	S S1 AND MEM? ?
S3	1000	4827	S S1 AND PY<=2002
S4	6	16	S S1 AND MIRROR

9/28/2005 4:16:42 PM

[File 348] EUROPEAN PATENTS 1978-2005/Sep W03

[File 349] PCT FULLTEXT 1979 2005/UB=20050922,UT=20050915

[File 324] German Patents Fulltext 1967-200538

- Set Items Postings Description

 S1 187692 3356947 S (SEMICONDUCTOR? ? OR SEMI()CONDUCTOR? ? OR PCB? ? OR TAB? ? OR PRINT????()CIRCUIT()BOARD?

 ? OR CIRCUIT???()BOARD? ? OR LOAD()BOARD? ? OR LOADBOARD? ? OR LSI? ? OR ASIC? ? OR ELECTRON???()DEVICE? ? OR
 PRINT???()CIRCUIT??? OR IC? ? OR INTEGRAT????()CIRCUIT??? OR CHIP? ? OR WAFER???)(3N)(DEVICE? ? OR APPARATUS??? OR
 INSTRUMENT? ? OR APPLIANCE? ? OR HARDWARE? ? OR MEANS OR MECHANISM? ?)
- S2 341560 1658192 S MEM? ? OR OPTICAL(3N)SWITCH???? OR MICROMACHINE? ? OR MICROELECTROMECHANICAL()SYSTEM? ? OR MICROELECTROMECHANICAL()SYSTEM? ? OR MICROELECTRO()MECHANICAL()SYSTEM? * OR MICROELECTRO()MECHANICAL()
- 205906 6496910 S (SEMICONDUCTOR? ? OR SEMI()CONDUCTOR? ? OR PCB? ? OR TAB? ? OR PRINT????()CIRCUIT()BOARD? ? OR CIRCUIT???()BOARD? ? OR LOAD()BOARD? ? OR LOAD()BOARD? ? OR LSI? ? OR ASIC? ? OR ELECTRON???()DEVICE? ? OR PRINT???()CIRCUIT??? OR CIP? ? OR WAFER???)(3N)(SUBSTRATE? ? OR MATERIAL? ? OR SUBSTRANCE? ? OR SURFACE? ? OR STRATUM? ? OR OBJECT? ? OR SUPPORT? ? OR INSULATOR? ? OR CERAMIC? ? OR PLASTIC? ? OR GLASS?? OR WAFER?? ? OR FERROUS OR FERRITE? ?)
- 54 2422334 42728338 S (PLURALIT???? OR MANY OR MULTIPLE? ? OR DIFFERENT?? OR NUMBEROUS OR NUMBER? ? OR VARIOUS OR VARY???? OR SEVERAL?? OR DIVERSE OR TWO? ? OR THREE? ? OR FOUR? ? OR MORE OR 2? ? OR 3? ? OR 4? ?)(3N)(UNIT? ? OR ASSEMBL???? OR ENTIT???? OR GROUP? ? OR MODULE? ? OR PIECE? ? OR COMPONENT? ? OR ELEMENT? ? OR ITEM? ? OR PART? ?)
- S5 436501 3320002 S (MOVING OR MOVABLE OR SHIFT???? OR ADVANC???? OR MOBIL????? OR MOTIVE OR MOTILE OR MOTION???? OR ACTIVE??? OR AGITATE????) (3N) (PIECE? ? OR SEGMENT? ? OR MODULE? ? OR UNIT? ? OR PART? ? OR ELEMENT? ? OR COMPONENT? ? OR ITEM? ?)
- 56 121815 1087144 S (CONTROL???? OR MASTER??? OR GUID???? OR OPERAT???? OR GOVERN???) (3N) (ELECTRODE? ? OR CONDUCTOR? ? OR ROD? ? OR ANODE? ? OR CATHODE? ?)
- S7 131923 1589288 S (DRIV???? OR ACTUAT???? OR INDUC???? OR ACTUAT???? OR ENERGIZ???? OR EXCIT???? OR STIMULAT????) (3N) (CIRCUIT???? OR CHIP? ? OR IC? ? OR INTEGRAT????(2N) CIRCUIT????)
- 58 368756 8871077 S (SENS???? OR DETECT???? OR MONITOR???? OR MEASUR????? OR TEST???? OR GAUG???? OR PROB????
 OR ACTUAT???? OR CONTROL????) (3N) (ELECTRODE? ? OR CONDUCTOR? ? OR ROD? ? OR ANODE? ? OR CATHODE? ? OR PROBE? ?)
- S9 315973 5260447 S (SENS???? OR DETECT???? OR MONITOR???? OR MEASUR????? OR TEST???? OR GAUG???? OR PROB????
 OR ACTUAT???? OR CONTROL????) (3N) (CIRCUIT???? OR CHIP? ? OR IC? ? OR INTEGRAT????(2N)CIRCUIT????)
- S10 2059752 44414613 S MEMOR???? OR STOR???? OR BUFFER???? OR MEMOR???? OR CACHE? ? OR DISK????? OR DISC? ? OR RAM? ? OR SDRAM? ? OR DISK????? OR DISC? ? OR CD()ROM? ? OR PROM? ? OR EPROM? ? OR EPROM? ?
- S11 2665920 46462357 S PROCESS???? OR CPU? ? OR CENTRAL()PROCESS????()UNIT OR ALU? ? OR ARITHMETIC(2W)LOGIC()UNIT? ? OR CONTROL()UNIT? ? OR MICROPROCESS???? OR MICROCOMPUTER? ? OR COMPUTER? ?
- \$12 3471 13986 S (DOWNSIZ????.OR DOWN()SIZING OR DECREAS???? OR MINIMIZ???? OR MINIATUR??????? OR SCAL????(3N)DOWN OR REDUC???? OR DIMINISH??? OR PARE??()DOWN OR SHRINK??? OR ECONOM??????)(3N) (MEM? ? OR OPTICAL(3N)SWITCH??? OR MICROMACHINE? ? OR MICRO()MACHINE? ? OR MICROELECTROMECHANICAL()SYSTEM? ? OR MICROELECTROMECHANICAL()SYSTEM? ? OR MICROELECTROMECHANICAL? ?
- s13 212923 2011456 S MIRROR????
- 514 5584 17578 S (EFFICIENT??? OR EFFECT????? OR ECONOM????) (3N) MIRROR???

C CL AND CO AND CO AND CA AND CE

- **s15** 17885 19338 S IC=(B81B-001/00 OR B81B-003/00 OR B81B-005/00 OR B81B-007/02 OR B81B-007/04 OR B81C-001/00 OR B81C-005/00 OR G02B-026/08 OR H01L-021/00 OR H01L-021/302 OR H01L-027/00 OR H01L-027/148 OR G02B-006/35 OR G02B-006/12 OR G02B-006/28)
- S16 0 0 S MC=(U12-B03F1B OR V06-M06G OR V06-U04E OR V06-U14 OR V07-G15 OR U13-D04 OR V07-G15 OR V07-K05 OR W01-A06B5A OR W01-A06B5B OR W01-A06C1 OR W02-C04A9 OR W02-C04B1)

SII	2083	2011/1	5 51 AND 52 AND 53 AND 54 AND 55
S18	152	182845	S S17 AND S6 AND S7 AND S8 AND S9 AND S10 AND S11
S19	6	19454	S S18 AND S12 AND S13
520	0	0	S S18 AND S12 AND S14
S21	7	9808	S S18 AND S14
522	279	63792	S S17 AND S15
523	 23	— 205	S S22 (3N) S12
S24	0	0	S S22(3N)S14
S25	322	2051	S S1(3N)S2
S26	0	0	S S25(3N)S5
527	6	42	S S25(3N)S12
S28	0 .	0	S S27(3N)S14
S29	0	0	S S27(3N)S13
S30	53	534	S S25 AND S15
S31	20	355	S S30 AND PY<=2002
532	20	355	IDPAT (sorted in duplicate/non-duplicate order)
S33	20	355	IDPAT (primary/non-duplicate records only)
S34	7	9808	S S21 NOT S19
535	22	160	S 523 NOT (S19 OR S21)
S36	17	327	S S33 NOT (S19 OR S21 OR S23)